

Porcine G protein gene, exon 1 - Nucleotide result

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Nucleotide

Alphabet of Life

“Exhibit C”

Display Settings: GenBank

Porcine G protein gene, exon 1

GenBank: M57287.1

FASTA Graphics

Features Sequence

LOCUS PIGI2AA 983 bp DNA linear MAM 27-APR-1993
DEFINITION Porcine G protein gene, exon 1.
ACCESSION M57287
VERSION M57287.1 GI:164496
KEYWORDS G protein.
SOURCE Sus scrofa (pig)
ORGANISM Sus scrofa
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
Sus.
REFERENCE 1 (bases 1 to 983)
AUTHORS Holtzman, E.J., Soper, B.W., Stow, J.L., Ausiello, D.A. and Ercolani, L.
TITLE Regulation of the G-protein alpha i-2 subunit gene in LLC-PK1 renal
cells and isolation of porcine genomic clones encoding the gene
promoter
JOURNAL J. Biol. Chem. 266 (3), 1763-1771 (1991)
PUBMED 1899094
FEATURES
source Location/Qualifiers
1..983
/organism="Sus scrofa"
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/db_xref="taxon:9823"
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/db_xref="GI:164497"
/translation="MIDKNLREDGEKAAREVKLLLL"
intron
713..>983
ORIGIN
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61 tactcatctc gctcgactct cagaagcttg gagggctggt tcttgcttgg cccgcgaggt
121 gcaccggatc ctcactctcg ggctacgaga tccgcccgcc cccgcgctcg ggcagcggag
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481 ccgagagcta ccgtagagg gccggcgccg gcgggagccg agtgggtcgg gcggggccga
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781 gtgtttcgaa ctccacact cggcctggac ttaaccccg agaccgcct ggcaaggaca
841 tacaaataaa taatggatca aaactcaggg ttggcctaga cctctcagat ccagagccca
901 gactctagat cagactcaac tcatcccaaa cccggggccc ccaaaccag acactggtgc
961 ctcaacatcc gctgccaga att

//


BLAST

Basic Local Alignment Search Tool

[Edit](#) and [Resubmit](#) [Save](#) [Search Strategies](#) [Formatting options](#) [Download](#)


Blast 2 sequences

dbj|DD249890| (3871 letters)

Results for: 

Your BLAST job specified more than one input sequence. This box lets you choose which input sequence to show BLAST results for.

Query ID

gi|99025749|dbj|DD249890.1| 
gi|99025749|dbj|DD249890.1|

Description

Gm1 promoter and use thereof.


Molecule type

dna

Query Length

3871

Subject ID

gi|164496|gb|M57287.1|PIGI2AA 

Description

Porcine G protein gene, exon 1

Molecule type

nucleic acid

Subject Length

983

Program

BLASTN 2.2.24+ [Citation](#)

Reference

Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb Miller (2000), "A greedy algorithm for aligning DNA sequences", J Comput Biol 2000; 7(1-2):203-14.

⇒ • No significant similarity found. For reasons why, [click here](#)

Other reports: [Search Summary](#) [[Taxonomy reports](#)]

Search Parameters

Search parameter name	Search parameter value
-----------------------	------------------------

Program	blastn
---------	--------

NCBI Blast:dbj|DD249890| (3871 letters)

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Word size 28
Expect value 10
Hitlist size 100
Match/Mismatch scores 1,-2
Gapcosts 0,0
Low Complexity Filter Yes
Filter string L;m;
Genetic Code 1

Karlin-Altschul statistics

Params Ungapped Gapped

Lambda	1.33271	1.28
K	0.620991	0.46
H	1.12409	0.85

Results Statistics

Results Statistics parameter name Results Statistics parameter value

Effective search space	3737433
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Graphic Summary

Distribution of Blast Hits on the Query Sequence

[?]

An overview of the database sequences aligned to the query sequence is shown. The score of each alignment is indicated by one of five different colors, which divides the range of scores into five groups. Multiple alignments on the same database sequence are connected by a striped line. Mousing over a hit sequence causes the definition and score to be shown in the window at the top, clicking on a hit sequence takes the user to the associated alignments. New: This graphic is an overview of database sequences aligned to the query sequence. Alignments are color-coded by score, within one of five score ranges. Multiple alignments on the same database sequence are connected by a dashed line. Mousing over an alignment shows the alignment definition and score in the box at the top. Clicking an alignment displays the alignment detail.

10/593,216

Gm1 promoter and use thereof

09-17-

2010::10:01:28

Supplemental Content - Search Results

This page gives you information about the number of versions associated with the application you requested. Use this page to obtain specific version information

Version Number	Item Id	Item Size
1	09323b6780c8016e	42.752
1	09323b6780c8016f	42.752
1	② 09323b6780c80170	42.752
1	09323b6780c80171	42.752
1	① 09323b6780c80172	42.752
1	09323b6780c80173	42.752
1	09323b6780c80174	42.752
1	09323b6780c80175	42.752
1	09323b6780c80176	42.752
1	09323b6780c80177	42.752
1	09323b6780c80178	42.752
1	09323b6780c80179	42.752

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